



DRINKING WATER SAMPLING REPORT

ADVANTAGE LEARNING CHILD CARE CENTER
UNION PARK PLAZA BUILDING
BUILDING # CO1821ZZ
1555 VAN GORDON STREET
LAKEWOOD. COLORADO

SURVEY DATE:

DECEMBER 2, 2021

PREPARED FOR:

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDING SERVICE
OFFICE OF FACILITIES MANAGEMENT
FACILITY RISK MANAGEMENT DIVISION 1800 f STREET
WASHINGTON, DC 20405

PREPARED BY:

PROGRAM SUPPORT CENTER
FEDERAL OCCUPATIONAL HEALTH
ENVIRONMENTAL HEALTH AND SAFETY SERVICES
7700 WISCONSIN AVENUE, ROOM 7120C
BETHESDA, MD 20857

REPORT DATE:

DECEMBER 31, 2021

Summary of Comments on R8 Advantage Union Park Lakewood FINAL-FOR-REPORT GSA-CDC-H2O-Survey CO1821ZZ-12221.pdf

Page: 1

Number: 1 Author: DanaHJohnson Subject: Sticky Note Date: 7/20/2022 6:31:56 PM -04'00'

Purpose: (b) (5)

Source: Br

Scope: Advantage Learning Child Care Center, Union Park Plaza Building, CO1821ZZ, Lakewood, CO

Conclusion:

(b) (5)

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DRINKING WATER LABORATORY ANALYSIS REPORT

I. EXECUTIVE SUMMARY

On December 2, 2021 at the request of the General Services Administration (GSA) Public Building Service, Office of Facilities Management, Facility Risk Management Division, Federal Occupational Health (FOH) conducted a Drinking Water Survey at the Advantage Learning Child Care Center in the Union Park Plaza Building (#CO1821ZZ) located at 155 Van Garden Street, Lakewood, Colorado. The purpose of this survey was to collect and analyze for lead (Pb) and copper (Cu) content, drinking water samples from outlets used for consumption in this child development center. The analysis results of these samples were then evaluated against Environmental Protection Agency (EPA) Primary Drinking Water Standards and Action Levels for Pb and Cu.

First draw drinking water samples were collected from this childcare center in the morning prior to the center being open. Samples were collected from eighteen (18) different drinking water outlets at the site. This included samples from two (12) drinking fountains and sixteen (16) sink faucets. Each sample was taken after the outlet and supply line had been inactive for a minimum of 12 hours. Upon collection, all samples were placed in an insulated cooler full of ice, and shipped overnight on the day of collection to ALS Environmental in Houston, Texas where they were analyzed for Pb and Cu via EPA Lead in Drinking Water Analytical Method 200.8. None of the samples collected contained Pb above the EPA Drinking Water Limit and Action Level (AL) of 15 micrograms per liter (ug/l). However, the two samples collected from the Elkay wall mounted drinking water fountains located in the main center hallway, found Cu levels that exceeded the EPA Drinking Water Limit or AL for Cu of 1300 ug/l. All other samples collected were below this EPA criteria.

Based on the drinking water samples collected at the Advantage Learning Child Care Center in the Union Park Plaza Building in Lakewood, Colorado on December 2, 2021, it is concluded that all water lines and sink faucet outlets sampled, are in compliance with the EPA Drinking Water criteria for Pb and Cu. No actions are recommended at this time relative to site sink faucets. However, it is recommended that the two Elkay drinking water fountains in the main facility hallway, be sealed off and not used until additional sampling and evaluations can be completed. Additional sampling should include thoroughly flushing a large volume of water through each unit, followed by immediate collection of additional samples. The units should then be turned off and not used for at least 12 hours. At the end of this 12-hour period, additional first draw samples should be collected. All samples should be immediately cooled and delivered or shipped to an accredited water analysis laboratory and analyzed for Pb and Cu by EPA Method 200.8. Based on the results of this resampling, a determination can be made as to additional actions that may be necessary to bring these fountain units into compliance with EPA criteria. This may involve routine and frequent flushing of each unit, installation of additional water line and/or unit filtering devices, or replacement of the units. It is advised that all water lines and outlets at the site be routinely flushed to assure water does not remain stagnant for an extended period in the system.



II. INTRODUCTION

At the request of the General Services Administration (GSA), Public Building Service Office of Facilities Management Facility Risk Management Division, Federal Occupational Health (FOH) conducted a Drinking Water Survey at the Advantage Learning Child Care Center in the Union Park Plaza Building (GSA Building #CO1821ZZ) located at 155 Van Gordon Street in Lakewood, Colorado 80228. This survey was conducted on December 2, 2021. FOH Environmental Health, Safety and Industrial Hygiene Consultant Douglas C. Pickup MS, REHS, CIH performed this task under the direction of CDR Kiel Fisher USPHS FOH Senior Program Manager. This work was conducted under the Interagency Agreement established between FOH and GSA, and in accordance with a Statement of Work (SOW) developed specifically for this project. The purpose of this survey was to collect samples from water outlets used for drinking or consumption in this child development center, analyze these water samples for lead (Pb) and copper (Cu) content, and evaluate the analysis results against the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Standards and Action Levels for Pb and Cu.

III. SAMPLING AND ANALYSIS METHODS

First draw drinking water samples were collected from this child development center in the morning prior to the center being open. Each sample was taken after the outlet and supply line had been inactive for about 12 hours. Cold water lines were sampled. In some cases where the outlet fixture only allowed for a collection of a hot and cold-water line mix, a combined hot and cold-water sample was collected. The location and outlet from which each sample was taken was recorded and a unique identifier (sample number) was provided for each sample and recorded in a sample log book and on the sample vial. Where possible the manufacture of the outlet from which the sample was collected was recorded as well as general condition and information about outlet condition. Once all samples were gathered, a sample submission form and chain-of custody document was completed. Upon collection, all samples were placed in an insulated cooler full of ice, and shipped overnight on the day of collection to ALS Environmental located at 10450 Standcliff Road in Houston, Texas. Field control or blank samples were submitted with each sample set. FOH maintained possession of all samples from the time of collection until shipment by Federal Express to ALS. ALS is EPA and National Environmental Laboratories Accreditation Conference (NELAC) accredited for drinking water sample analysis. All samples were collected and analyzed for Pb and Cu in accordance with EPA Lead in Drinking Water Analytical Method 200.8. Containers for collection of samples were provided and shipped to the site by ALS according to EPA 200.8 criteria.

IV. RESULTS & FINDINGS

Samples were collected from eighteen (18) different drinking water outlets at this site. This included samples from two (2) drinking fountains and sixteen (16) sink faucets. General information and the results of the analysis of each of these samples for Pb and Cu are contained in Table 1. Levels of Pb in the samples ranged from less than <0.120 micrograms per liter (ug/l) to 11.3 ug/l. Cu levels in the samples ranged from 12.2 ug/l to 8280 ug/l. None of the samples collected contained Pb above the EPA Drinking Water Limit and Action Level (AL) of 15 ug/l. The samples collected from the two Elkay wall mounted drinking water fountains located in the main facility hallway, found Cu levels that were above the EPA Drinking Water Limit or AL for Cu of 1300 ug/l (see Photo 1). The

drinking water sample collected from the lower-level right fountain had a Cu content of 2490 ug/l. The adult level fountain on the left had a Cu content of 8280 ug/l. The remainder of the samples collected from sink faucet throughout the site all had Cu levels below the EPA criteria. The results of the two (2) field blank or control samples found Pb levels below the sample and analytical limits of detection (LOD). One of the control samples had a Cu level of 3.03 ug/l with the other sample being below the LOD.

V. CONCLUSIONS AND RECOMMENDATIONS

Based on the drinking water samples collected and analyzed from the Advantage Learning Child Care Center located in the Union Park Plaza Building (#CO1821ZZ) at 155 Van Gordon Street in Lakewood, Colorado on December 2, 2021, it is concluded that all sink faucets and related water lines evaluated were in compliance with the EPA Drinking Water AL criteria for Pb and Cu. All sinks and faucets sampled were found to be in good condition, clean, sanitized and well maintained. No excessive corrosion or damage was noted on any sink or faucet or associated drinking water system component in the center. However, the two fountains located in the central corridor, need to be turned off, covered and not used until they can be flushed and resampled. It is recommended that these units and the supplying building water lines, be thoroughly flushed for 10 to 15 minutes. At the conclusion of this flushing process, each fountain should be resampled. After collection of these samples each unit should be turned off, covered and not used for a minimum of 12 hours. At the conclusion of this 12 hours period, first draw samples should be collected from each fountain bubbler. All samples collected should be immediately cooled and delivered or shipped to an accredited water analysis laboratory and analyzed for Pb and Cu in accordance with EPA Analytical Method 200.8. Based on the results of this resampling, a determination can be made as to additional actions that may be necessary to bring these fountain units into compliance with EPA criteria. This may involve routine and frequent flushing of each unit, installation of additional water line and/or unit filtering devices, or replacement of the units. It is advised that all water lines and outlets at the site be routinely flushed to assure water does not remain stagnant for an extended period in the system.

TABLE 1
ANALYSIS RESULTS
LEAD AND COPPER IN DRINKING WATER SAMPLES
ADVANTAGE LEARNING CHILD CARE CENTER
UNION PARK PLAZA BUILDING
GSA BUILDING # CO1821ZZ
155 VAN GORDON STREET -
LAKEWOOD, COLORADO
DECEMBER 2, 2021

<i>Sample ID</i>	<i>Sample Location</i>	<i>Room Type</i>	<i>Type of Outlet</i>	<i>Manufacturer</i>	<i>Source</i>	<i>Pb Content (ug/l)</i>	<i>Cu Content (ug/l)</i>
122-DW1	Kitchen	Food Prep.	Faucet – Food Prep Sink	Fisher	Building CW Line	1.59	51.1
122-DW2	Tigers Room	Classroom	Faucet – Child Porcelain (PCL) Sink Right (R)	Moen	Building CW Line	<0.120*	27.2
122-DW3	Tigers Room	Classroom	Faucet – Child Stainless Steel (SS) Sink	Moen	Building CW Line	0.310^	37.9
122-DW4	Lions Room	Classroom	Faucet – Child PCL Sink Left (L)	Moen	Building CW Line	<0.120*	28.9
122-DW5	Lions Room	Classroom	Faucet – Child Water Bottle SS Sink	Moen	Building CW Line	<0.120*	29.0
122-DW6	Frogs Room	Classroom	Faucet – Child SS Sink R	Delta	Building CW Line	<0.120*	33.9
122-DW7	Frogs Room	Classroom	Faucet – Child SS Sink L	Moen	Building CW Line	<0.120*	16.5
122-DW8	Darling Duck Room	Classroom	Faucet – Adult SS Sink R	Delta	Building CW Line	<0.120*	32.5
122-DW9	Mighty Monkeys (MM) Room	Corridor	Faucet – Hallway PCL Sink	Delta	Building CW Line	<0.120*	57.4
122-DW10	Playful Panda (PP) Room	Classroom	Faucet – Adult PCL Sink	Delta	Building CW Line	<0.120*	47.2

^ Analyte (Pb) detected below the analytical limit of quantitation (LOQ)

* Analyte (Pb or Cu) not detected above sample detection limit (SDL) or and analytical method detection limit (MDL)
The EPA Drinking Water Action Level (AL) standard is 15 ug/l for Pb and 1300 ug/l for Cu

TABLE 1 CONTINUED
ANALYSIS RESULTS
LEAD AND COPPER IN DRINKING WATER SAMPLES
ADVANTAGE LEARNING CHILD CARE CENTER
UNION PARK PLACE BUILDING
GSA BUILDING # CO1821ZZ
155 VAN GORDON STREET
LAKEWOOD, COLORADO
DECEMBER 2, 2021

<i>Sample ID</i>	<i>Sample Location</i>	<i>Room Type</i>	<i>Type of Outlet</i>	<i>Manufacturer</i>	<i>Source</i>	<i>Pb Content (ug/l)</i>	<i>Cu Content (ug/l)</i>
122-DW11	Hall Between MM & PP Rooms	Corridor	Faucet - Child PCL Sink L	Moen	Building CW Line	0.121 [^]	47.1
122-DW12	Wiggle Worms (WW) Room	Classroom	Faucet- Adult PCL Bottle Wash Sink	Delta	Building CW Line	<0.120*	12.1
122-DW13	Friendly Frogs (FF) Room	Classroom	Faucet – Child SS Sink Left	Delta	Building CW Line	<0.120*	45.5
122-DW14	FF Room	Classroom	Faucet – Adult SS Sink	Delta	Building CW Line	<0.120*	13.2
122-DW15	Hall Between WW & FF Rooms	Toilet Area Corridor	Faucet – Child POR Sink on WW Room Wall	Moen	Building CW Line	<0.120*	35.2
122-DW16	Staff Restroom	Restroom	Faucet – Adult POR Sink	Oakbrook	Building CW Line	<0.120*	21.0
122-DW17	Center Hallway	Corridor	Fountain – Wall Mount Lower R Unit	Elkay	Building CW Line	1.86	2490
122-DW18	Center Hallway	Corridor	Fountain – Wall Mount Upper L Unit	Elkay	Building CW Line	11.3	8280
122-DW19	Field	Blank	Control	Sample	Bottled Water	<0.120*	3.03
122-DW20	Field	Blank	Control	Sample	Bottled Water	<0.120*	<0.170*

[^] Analyte (Pb) detected below the analytical limit of quantitation (LOQ)

* Analyte (Pb or Cu) not detected above sample detection limit (SDL) or and analytical method detection limit (MDL)

The EPA Drinking Water Action Level (AL) standard is 15 ug/l for Pb and 1300 ug/l for Cu



**PHOTO 1 – ELKAY HALLWAY WATER FOUNTAINS
SAMPLES FOUND CU LEVELS IN EXCESS OF EPA DRINKING WATER CRITERIA
ADVANTAGE LEARNING CHILD CARE CENTER
UNION PARK PLAZA BUILDING
GSA BUILDING # CO1821ZZ
LAKEWOOD, COLORADO
DECEMBER 2, 2021**

LABORATORY ANALYSIS REPORT

DRINKING WATER SAMPLES

**ADVANTAGE LEARNING CHILD CARE CENTER
UNION PARK PLAZA BUILDING
GSA BUILDING # CO1821ZZ
155 VAN GORDON STREET
LAKEWOOD, COLORADO**

DECEMBER 2, 2021



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 29, 2021

Doug Pickup
FOH - PostOak
710 Featherbrook Court
Allen, TX 75002

Work Order: **HS21120224**

Laboratory Results for: **GSA Bldg CO1821ZZ**

Dear Doug Pickup ,

ALS Environmental received 20 sample(s) on Dec 03, 2021 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: DANE.WACASEY

Dane J. Wacasey

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Work Order: HS21120224

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS21120224-01	122-DW1 Kitchen FP Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-02	122-DW2 Tigers Rm R Kids Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-03	122-DW3 Tigers Rm Kids Sink 2	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-04	122-DW4 Lions Rm Kids L Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-05	122-DW5 Lions Rm Kids Sink 2	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-06	122-DW6 Frogs Rm R Kids Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-07	122-DW7 Frogs Rm L Kids Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-08	122-DW8 Darline Puck Rm R Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-09	122-DW9 Might Monkeys Rm Hall Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-10	122-DW10 Panda Rm Sink Faucet	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-11	122-DW11 RR PR-MM Hallway	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-12	122-DW12 Wiggle Worms Rm Bottle Wash Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-13	122-DW13 Friend Frogs Left Kids Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-14	122-DW14 FF Adult FP Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-15	122-DW15 Hallway-FF Rm Kids Side Sink	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-16	122-DW16 Staff RR Faucet	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-17	122-DW17 Hall Fountain Low Right	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-18	122-DW18 Hall Fountain Left Low	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-19	122-DW19 Field Blank	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>
HS21120224-20	122-DW20 Control Sample Nestle Pure Life DW	Drinking Water		02-Dec-2021 06:00	03-Dec-2021 10:45	<input type="checkbox"/>

Revision:1

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Work Order: HS21120224

CASE NARRATIVE

Work Order Comments

- This report was revised December 29, 2021 in order to adjust the project name to match the COC.

Metals by Method E200.8

Batch ID: 173611

Sample ID: 122-DW17 Hall Fountain Low Right (HS21120224-17MS)

- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Copper.

Batch ID: 173529

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW1 Kitchen FP Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-01
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 14-Dec-2021		Analyst: ALR	
Copper	51.1		0.170	1.00	ug/L	1	15-Dec-2021 21:05
Lead	1.59		0.120	1.00	ug/L	1	15-Dec-2021 21:05

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW2 Tigers Rm R Kids Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-02
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 14-Dec-2021		Analyst: ALR	
Copper	27.2		0.170	1.00	ug/L	1	15-Dec-2021 21:07
Lead	U		0.120	1.00	ug/L	1	15-Dec-2021 21:07

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW3 Tigers Rm Kids Sink 2
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-03
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 14-Dec-2021		Analyst: ALR	
Copper	37.9		0.170	1.00	ug/L	1	15-Dec-2021 21:09
Lead	0.310	J	0.120	1.00	ug/L	1	15-Dec-2021 21:09

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW4 Lions Rm Kids L Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-04
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 14-Dec-2021		Analyst: ALR	
Copper	28.9		0.170	1.00	ug/L	1	15-Dec-2021 21:11
Lead	U		0.120	1.00	ug/L	1	15-Dec-2021 21:11

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW5 Lions Rm Kids Sink 2
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-05
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 14-Dec-2021		Analyst: ALR	
Copper	29.0		0.170	1.00	ug/L	1	15-Dec-2021 21:13
Lead	U		0.120	1.00	ug/L	1	15-Dec-2021 21:13

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW6 Frogs Rm R Kids Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-06
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 14-Dec-2021		Analyst: ALR	
Copper	33.9		0.170	1.00	ug/L	1	15-Dec-2021 21:15
Lead	U		0.120	1.00	ug/L	1	15-Dec-2021 21:15

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW7 Frogs Rm L Kids Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-07
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	16.5		0.170	1.00	ug/L	1	16-Dec-2021 20:47
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 20:47

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW8 Darline Puck Rm R Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-08
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	32.5		0.170	1.00	ug/L	1	16-Dec-2021 21:05
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:05

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW9 Might Monkeys Rm Hall Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-09
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	57.4		0.170	1.00	ug/L	1	16-Dec-2021 21:08
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:08

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW10 Panda Rm Sink Faucet
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-10
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	47.2		0.170	1.00	ug/L	1	16-Dec-2021 21:10
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:10

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW11 RR PR-MM Hallway
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-11
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	47.1		0.170	1.00	ug/L	1	16-Dec-2021 21:12
Lead	0.121	J	0.120	1.00	ug/L	1	16-Dec-2021 21:12

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW12 Wiggle Worms Rm Bottle Wash Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-12
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	12.1		0.170	1.00	ug/L	1	16-Dec-2021 21:15
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:15

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW13 Friend Frogs Left Kids Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-13
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	45.5		0.170	1.00	ug/L	1	16-Dec-2021 21:17
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:17

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW14 FF Adult FP Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-14
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	13.2		0.170	1.00	ug/L	1	16-Dec-2021 21:24
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:24

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW15 Hallway-FF Rm Kids Side Sink
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-15
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	35.2		0.170	1.00	ug/L	1	16-Dec-2021 21:26
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:26

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW16 Staff RR Faucet
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-16
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	21.0		0.170	1.00	ug/L	1	16-Dec-2021 21:28
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:28

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW17 Hall Fountain Low Right
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-17
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	2,490		3.40	20.0	ug/L	20	17-Dec-2021 11:53
Lead	1.86		0.120	1.00	ug/L	1	16-Dec-2021 20:54

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW18 Hall Fountain Left Low
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-18
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	8,280		8.50	50.0	ug/L	50	17-Dec-2021 11:55
Lead	11.3		0.120	1.00	ug/L	1	16-Dec-2021 21:31

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW19 Field Blank
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-19
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	3.03		0.170	1.00	ug/L	1	16-Dec-2021 21:33
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:33

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
Sample ID: 122-DW20 Control Sample Nestle Pure Life DW
Collection Date: 02-Dec-2021 06:00

ANALYTICAL REPORT

WorkOrder:HS21120224
Lab ID:HS21120224-20
Matrix:Drinking Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 15-Dec-2021		Analyst: JC	
Copper	U		0.170	1.00	ug/L	1	16-Dec-2021 21:35
Lead	U		0.120	1.00	ug/L	1	16-Dec-2021 21:35

Weight / Prep Log

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
WorkOrder: HS21120224

Batch ID: 173529 **Start Date:** 14 Dec 2021 10:30 **End Date:** 14 Dec 2021 14:30
Method: TOTAL METALS PREP BY E200.8, REV 5.4, 1994 **Prep Code:** 200.8PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS21120224-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 173611 **Start Date:** 15 Dec 2021 10:00 **End Date:** 15 Dec 2021 14:00
Method: TOTAL METALS PREP BY E200.8, REV 5.4, 1994 **Prep Code:** 200.8PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS21120224-07		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-08		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-09		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-10		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-11		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-12		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-13		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-14		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-15		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-16		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-17		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-18		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-19		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS21120224-20		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
WorkOrder: HS21120224

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 173529 (0)		Test Name : METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994			Matrix: Drinking Water	
HS21120224-01	122-DW1 Kitchen FP Sink	02 Dec 2021 06:00		14 Dec 2021 14:30	15 Dec 2021 21:05	1
HS21120224-02	122-DW2 Tigers Rm R Kids Sink	02 Dec 2021 06:00		14 Dec 2021 14:30	15 Dec 2021 21:07	1
HS21120224-03	122-DW3 Tigers Rm Kids Sink 2	02 Dec 2021 06:00		14 Dec 2021 14:30	15 Dec 2021 21:09	1
HS21120224-04	122-DW4 Lions Rm Kids L Sink	02 Dec 2021 06:00		14 Dec 2021 14:30	15 Dec 2021 21:11	1
HS21120224-05	122-DW5 Lions Rm Kids Sink 2	02 Dec 2021 06:00		14 Dec 2021 14:30	15 Dec 2021 21:13	1
HS21120224-06	122-DW6 Frogs Rm R Kids Sink	02 Dec 2021 06:00		14 Dec 2021 14:30	15 Dec 2021 21:15	1
Batch ID: 173611 (0)		Test Name : METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994			Matrix: Drinking Water	
HS21120224-07	122-DW7 Frogs Rm L Kids Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 20:47	1
HS21120224-08	122-DW8 Darline Puck Rm R Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:05	1
HS21120224-09	122-DW9 Might Monkeys Rm Hall Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:08	1
HS21120224-10	122-DW10 Panda Rm Sink Faucet	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:10	1
HS21120224-11	122-DW11 RR PR-MM Hallway	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:12	1
HS21120224-12	122-DW12 Wiggle Worms Rm Bottle Wash Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:15	1
HS21120224-13	122-DW13 Friend Frogs Left Kids Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:17	1
HS21120224-14	122-DW14 FF Adult FP Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:24	1
HS21120224-15	122-DW15 Hallway-FF Rm Kids Side Sink	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:26	1
HS21120224-16	122-DW16 Staff RR Faucet	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:28	1
HS21120224-17	122-DW17 Hall Fountain Low Right	02 Dec 2021 06:00		15 Dec 2021 14:00	17 Dec 2021 11:53	20
HS21120224-17	122-DW17 Hall Fountain Low Right	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 20:54	1
HS21120224-18	122-DW18 Hall Fountain Left Low	02 Dec 2021 06:00		15 Dec 2021 14:00	17 Dec 2021 11:55	50
HS21120224-18	122-DW18 Hall Fountain Left Low	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:31	1
HS21120224-19	122-DW19 Field Blank	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:33	1
HS21120224-20	122-DW20 Control Sample Nestle Pure Life DW	02 Dec 2021 06:00		15 Dec 2021 14:00	16 Dec 2021 21:35	1

Client: FOH - PostOak
 Project: GSA Bldg CO1821ZZ
 WorkOrder: HS21120224

QC BATCH REPORT

Batch ID: 173529 (0)		Instrument: ICPMS06		Method: METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994					
MBLK	Sample ID: MBLK-173529	Units: mg/L		Analysis Date: 15-Dec-2021 20:18					
Client ID:	Run ID: ICPMS06_397719	SeqNo: 6423498		PrepDate: 14-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	U	0.00100							
Lead	U	0.00100							
LCS	Sample ID: LCS-173529	Units: mg/L		Analysis Date: 15-Dec-2021 20:20					
Client ID:	Run ID: ICPMS06_397719	SeqNo: 6423499		PrepDate: 14-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.053	0.00100	0.05	0	106	85 - 115			
Lead	0.05199	0.00100	0.05	0	104	85 - 115			
MS	Sample ID: HS21120214-09MS	Units: mg/L		Analysis Date: 15-Dec-2021 20:30					
Client ID:	Run ID: ICPMS06_397719	SeqNo: 6423504		PrepDate: 14-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.09506	0.00100	0.05	0.04307	104	70 - 130			
Lead	0.05266	0.00100	0.05	0.000341	105	70 - 130			
MS	Sample ID: HS21120214-01MS	Units: mg/L		Analysis Date: 15-Dec-2021 20:24					
Client ID:	Run ID: ICPMS06_397719	SeqNo: 6423501		PrepDate: 14-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.1301	0.00100	0.05	0.08148	97.3	70 - 130			
Lead	0.05239	0.00100	0.05	0.000249	104	70 - 130			
MSD	Sample ID: HS21120214-09MSD	Units: mg/L		Analysis Date: 15-Dec-2021 20:32					
Client ID:	Run ID: ICPMS06_397719	SeqNo: 6423505		PrepDate: 14-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.09592	0.00100	0.05	0.04307	106	70 - 130	0.09506	0.901	20
Lead	0.05327	0.00100	0.05	0.000341	106	70 - 130	0.05266	1.16	20

Revision: 1

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
WorkOrder: HS21120224

QC BATCH REPORT

Batch ID: 173529 (0)		Instrument: ICPMS06		Method: METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994						
MSD	Sample ID: HS21120214-01MSD	Units: mg/L			Analysis Date: 15-Dec-2021 20:26					
Client ID:	Run ID: ICPMS06_397719	SeqNo: 6423502		PrepDate: 14-Dec-2021		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD		
								%RPD	Limit Qual	
Copper	0.1372	0.00100	0.05	0.08148	111	70 - 130	0.1301	5.29	20	
Lead	0.05308	0.00100	0.05	0.000249	106	70 - 130	0.05239	1.3	20	
The following samples were analyzed in this batch:		HS21120224-01 HS21120224-05		HS21120224-02 HS21120224-06		HS21120224-03		HS21120224-04		

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
WorkOrder: HS21120224

QC BATCH REPORT

Batch ID: 173611 (0)		Instrument: ICPMS04		Method: METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994					
MBLK	Sample ID: MBLK-173611	Units: mg/L		Analysis Date: 16-Dec-2021 20:43					
Client ID:	Run ID: ICPMS04_397811	SeqNo: 6425987		PrepDate: 15-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	U	0.00100							
Lead	U	0.00100							
LCS	Sample ID: LCS-173611	Units: mg/L		Analysis Date: 16-Dec-2021 20:45					
Client ID:	Run ID: ICPMS04_397811	SeqNo: 6425988		PrepDate: 15-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.05269	0.00100	0.05	0	105	85 - 115			
Lead	0.04908	0.00100	0.05	0	98.2	85 - 115			
MS	Sample ID: HS21120224-17MS	Units: mg/L		Analysis Date: 16-Dec-2021 20:56					
Client ID: 122-DW17 Hall Fountain Low Right	Run ID: ICPMS04_397811	SeqNo: 6425993		PrepDate: 15-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	2.438	0.00100	0.05	2.434	7.07	70 - 130			SEO
Lead	0.05086	0.00100	0.05	0.001857	98.0	70 - 130			
MS	Sample ID: HS21120224-07MS	Units: mg/L		Analysis Date: 16-Dec-2021 20:49					
Client ID: 122-DW7 Frogs Rm L Kids Sink	Run ID: ICPMS04_397811	SeqNo: 6425990		PrepDate: 15-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.06889	0.00100	0.05	0.01649	105	70 - 130			
Lead	0.05004	0.00100	0.05	0.000109	99.9	70 - 130			
MSD	Sample ID: HS21120224-17MSD	Units: mg/L		Analysis Date: 16-Dec-2021 20:59					
Client ID: 122-DW17 Hall Fountain Low Right	Run ID: ICPMS04_397811	SeqNo: 6425994		PrepDate: 15-Dec-2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	2.404	0.00100	0.05	2.434	-61.6	70 - 130	2.438	1.42	20 SEO
Lead	0.05007	0.00100	0.05	0.001857	96.4	70 - 130	0.05086	1.56	20

Revision: 1

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
WorkOrder: HS21120224

QC BATCH REPORT

Batch ID: 173611 (0)		Instrument: ICPMS04		Method: METALS IN DRINKING WATER BY E200.8, REV 5.4, 1994					
MSD		Sample ID: HS21120224-07MSD		Units: mg/L		Analysis Date: 16-Dec-2021 20:52			
Client ID: 122-DW7 Frogs Rm L Kids Sink		Run ID: ICPMS04_397811		SeqNo: 6425991		PrepDate: 15-Dec-2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Copper	0.06673	0.00100	0.05	0.01649	100	70 - 130	0.06889	3.18	20
Lead	0.04849	0.00100	0.05	0	97.0	70 - 130	0.05004	3.16	20

The following samples were analyzed in this batch:

HS21120224-07	HS21120224-08	HS21120224-09	HS21120224-10
HS21120224-11	HS21120224-12	HS21120224-13	HS21120224-14
HS21120224-15	HS21120224-16	HS21120224-17	HS21120224-18
HS21120224-19	HS21120224-20		

Client: FOH - PostOak
Project: GSA Bldg CO1821ZZ
WorkOrder: HS21120224

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
µg/L	Micrograms per Liter
Date	

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	21-022-0	26-Mar-2022
Florida	E87611-33	30-Jun-2022
Illinois	2000322021-7	09-May-2022
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2021-2022	30-Apr-2022
Louisiana	03087, 2021-2022	30-Jun-2022
North Carolina	624-2021	31-Dec-2021
Texas	T104704231-21-28	30-Apr-2022

Sample Receipt Checklist

Work Order ID: HS21120224

Date/Time Received: 03-Dec-2021 10:45

Client Name: PostOak EHS

Received by: Pablo Martinez

Completed By: /S/ Paresh M. Giga

03-Dec-2021 19:15

Reviewed by:

eSignature

Date/Time

eSignature

Date/Time

Matrices: Drinking WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐No ☐Not Present ☒

Custody seals intact on sample bottles?

Yes ☒No ☐Not Present ☐

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

2 Page(s)

Chain of custody signed when relinquished and received?

Yes ☒No ☐

COC IDs:256063/256062

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☒No ☐

Temperature(s)/Thermometer(s):

0.9C U/c

IR31

Cooler(s)/Kit(s):

46304

Date/Time sample(s) sent to storage:

12/3/2021 19:30

Water - VOA vials have zero headspace?

Yes ☐No ☐No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐No ☒N/A ☐

pH adjusted?

Yes ☒No ☐N/A ☐

pH adjusted by:

Paresh M. Giga

Login Notes:

All samples pH >2 (6).
 Pres'd with 1ml HNO3 (Lot 316135911)
 12/3/21 @ 18:50. Final pH (1)
 Custody Seals on ziplock bags. Not salvaged.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Cincinnati, OH
+1 513 733 5336
Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 256063

Houston, TX
+1 281 530 5656
Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903
Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168
York, PA
+1 717 505 5280

Customer Information		Project Information		Parameter/Method Request for Analysis													
Purchase Order	Credit Card	Project Name	GSA Bldg CO1821ZZ	A	200.8 Metals Drinking Water (200.8 Copper, Lead)												
Work Order		Project Number	Advantage Learning CDC	B													
Company Name	PostOak EHS	Bill To Company	FOH - PostOak	C													
Send Report To	Doug Pickup	Invoice Attn	Doug Pickup	D													
Address	710 Featherbrook Court	Address	710 Featherbrook Court	E													
City/State/Zip	Allen, TX 75002	City/State/Zip	Allen TX 75002	F													
Phone		Phone		G													
Fax	(214) 422-1427	Fax	(214) 422-1427	H													
e-Mail Address	utpickup@gmail.com	e-Mail Address	utpickup@gmail.com	I													
				J													
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	122-DW1 Kitchen FP Sink	12/2/21	6:41M	Drinking	8	1	X										
2	122-DW2 TIGERS Rm. Kids Sink						X										
3	122-DW3 TIGERS Rm. Kids Sink						X										
4	122-DW4 LIONS Rm. Kids Sink						X										
5	122-DW5 LIONS Rm. Kids Sink						X										
6	122-DW6 FROGS Rm. Kids Sink						X										
7	122-DW7 FROGS Rm. Kids Sink						X										
8	122-DW8 DARLING ROCK Rm. Sink						X										
9	122-DW9 MOUNTAIN VIEW Rm. Sink						X										
10	122-DW10 PANDA Rm. Sink						X										
Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)				Other				Results Due Date:					
DOUGLAS C. PICKUP		FEDEX		<input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour													
Received by:		Date:		Time:		Received by:		Notes: PostOak GSA Water									
DOUGLAS C. PICKUP		12/2/21		11AM		Received by (Laboratory):											
Checked by (Laboratory):		Date:		Time:		Checked by (Laboratory):											
		12/3/21		10:45		PAUL R.											
Logged by (Laboratory):		Date:		Time:		Checked by (Laboratory):											
Preservative Key:		1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035															
		1831 180															

- ote: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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+1 513 733 5336
Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 256062

Houston, TX
+1 281 530 5656
Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903
Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168
York, PA
+1 717 505 5280

Customer Information				ALS Project Manager:				ALS Work Order #:												
Purchase Order		Credit Card		Project Name		GSA Bldg CO1821ZZ		Parameter/Method Request for Analysis												
Work Order		Project Number		Advantage Learning CDC		A		200.8 Metals Drinking Water (200.8 Copper, Lead)												
Company Name		PostOak EHS		Bill To Company		FOH - PostOak		B												
Send Report To		Doug Pickup		Invoice Attn		Doug Pickup		C												
Address		710 Featherbrook Court		Address		710 Featherbrook Court		D												
City/State/Zip		Allen, TX 75002		City/State/Zip		Allen TX 75002		E												
Phone				Phone				F												
Fax		(214) 422-1427		Fax		(214) 422-1427		G												
e-Mail Address		utpickup@gmail.com		e-Mail Address		utpickup@gmail.com		H												
								I												
								J												
								Hold												
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold			
1	122-DW 11 RR PR - Comm WORKING BOTTLE	12/2/21	6:40M	Drinking	8	1	X													
2	122-DW 12 WIGGLE RM. W/SH SINK						X													
3	122-DW 13 FRIEND FABS LEFT SINK						X													
4	122-DW 14 FF ADULT FFP SINK						X													
5	122-DW 15 HALLWAY-FFRM. SIDE SINK						X													
6	122-DW 16 STAFFRR FRONT						X													
7	122-DW 17 HALL Fountain LOW RIGHT						X													
8	122-DW 18 HALL Fountain LEFT LOW						X													
9	122-DW 19 FIELD BLANK CONTROL SAMPLE						X													
10	122-DW 20 NESTLE PURE LIFE DW						X													
Sampler(s) Please Print & Sign		Ship Method		Required Turnaround Time: (Check Box)		Other		Results Due Date:												
DOUGLAS C. PICKUP		FEDEX		<input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour																
Relinquished by:		Date:	Time:	Received by:		Notes:		Cooler ID		Cooler Temp.	QC Package: (Check One Box Below)		Level II Std QC		Level III Std QC/Raw Data		Level IV SW846/CLP		Other	
Douglas C. Pickup		12/2/21	11:11AM	Paul R.		PostOak GSA Water		46304		0.9C	<input checked="" type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level III Std QC/Raw Data		<input type="checkbox"/> Level IV SW846/CLP		<input type="checkbox"/> Other			
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):								<input type="checkbox"/> TRRP Checklist		<input type="checkbox"/> TRRP Level IV						
		12/3/21	10:45																	
Preservative Key:		1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035																		

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46304 DEC 03 2021



46304

Post # 158400-454 NNY EXP 07/22 *

ORIGIN ID:SGRA (303) 716-5737
QUEST: DOUG PICKUP
HOMWOOD SUITES DENVER C/O POST
135 UNION BLVD
C/O POSTOAK EHS
LAKEWOOD, CO 80228
UNITED STATES US

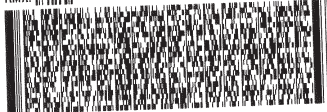
SHIP DATE: 24NOV21
ACTWGT: 1.00 LB MAX
CRD: 0221247/CAFE3507
DIMS: 19x16x13 IN

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

(281) 680-6666

REF: GSA BRIGHT HORIZON CLVER - BO 8184/85 - DW

RMA: 11111111



FedEx
Express



FedEx
TRK# 5300 5225 4260
0221

FRI - 03 DEC 11:30A
PRIORITY OVERNIGHT

NH SGRA

77099

TX-US IAH



#4340164 12/02 56213/E934/FE40